

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 April 2004 (08.04.2004)

PCT

(10) International Publication Number
WO 2004/029789 A3

(51) International Patent Classification⁷: **G06F 3/033**

V. [GB/GB]; c/o Philips Intellectual Property & Standards,
Cross Oak Lane, Redhill, Surrey RH1 5HA (GB).

(21) International Application Number:
PCT/IB2003/003907

(74) Agent: **WHITE, Andrew**; Philips Intellectual Property
& Standards, Cross Oak Lane, Redhill, Surrey RH1 5HA
(GB).

(22) International Filing Date:
5 September 2003 (05.09.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN; TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0222094.5 24 September 2002 (24.09.2002) GB

(71) Applicant (*for all designated States except US*): **KONIN-
KLJKE PHILIPS ELECTRONICS N.V.** [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

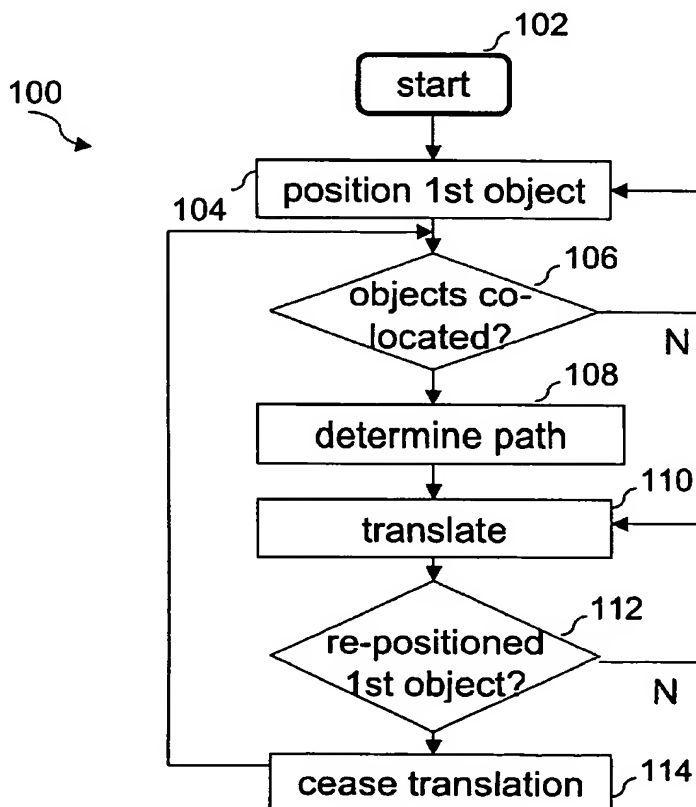
(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **UNDASAN, Renaldo,**

[Continued on next page]

(54) Title: GRAPHICAL USER INTERFACE NAVIGATION METHOD AND APPARATUS



(57) Abstract: A method for translating an object within a GUI display. Another object, such as a cursor, is positioned (104) so as to be co-located (106) with the object; the object and cursor are then translated (110) along a path at least partially determined (108) by data associated with the cursor. Translation along the path ceases (114) when the relative position of the cursor and object changes (112); translation may continue along a different path if the cursor and object remain co-located. An example embodiment is a cursor icon which allows a user, by manipulating a pointing device, to navigate an entire GUI display area by navigating the smaller area of the cursor icon.



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:

7 October 2004

INTERNATIONAL SEARCH REPORT

national Application No

IB 03/03907

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F3/033

Referred to PTO

13 2005

PTO 21 MAR 2005

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/05081 A (IRVINE NES STEWART) 17 January 2002 (2002-01-17) abstract page 15, line 1 - page 17, last line	1-18
A	US 6 215 490 B1 (KAPLY MICHAEL AARON) 10 April 2001 (2001-04-10) abstract	1, 14
A	US 6 297 798 B1 (BLOMQUIST PER ET AL) 2 October 2001 (2001-10-02) abstract	1, 14

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

15 July 2004

Date of mailing of the international search report

27/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Nocentini, I

INTERNATIONAL SEARCH REPORT

International Application No

B 03/03907

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0205081	A	17-01-2002	AU 5646701 A	21-01-2002
			CA 2412578 A1	17-01-2002
			EP 1285330 A1	26-02-2003
			WO 0205081 A1	17-01-2002
			GB 2380918 A , B	16-04-2003
			US 2003197744 A1	23-10-2003
			ZA 200209992 A	13-11-2003
<hr/>				
US 6215490	B1	10-04-2001	NONE	
<hr/>				
US 6297798	B1	02-10-2001	US 5764936 A	09-06-1998
			DE 69624617 D1	12-12-2002
			DE 69624617 T2	03-07-2003
			EP 0741372 A2	06-11-1996
<hr/>				